

Abstract

Devices for determining at least one parameter of a medium flowing in a conduit, in particular for determining the air-mass flow in the intake tract of an internal combustion engine, including a conduit member 3 and sensor device 1 having a bypass section 6 are already known. To prevent flow detachment at the side walls of the bypass section, it is proposed that a flow guide wall 4 running substantially parallel to the side wall 16 provided with the separation opening 33 of the bypass section 6 be arranged in the conduit member 3 behind the separation opening 33, as viewed in the main flow direction 18; the length dimension b of the flow guide wall, as viewed in the main flow direction 18, being equal to or greater than the distance a of the separation opening 33 from the rear wall 14; and the distance c of the flow guide wall from the center axis 41 of the conduit member 3 being greater than or equal to the distance d of the side wall 16 provided with the separation opening 33 of the bypass section from the center axis.

(Figure 2)